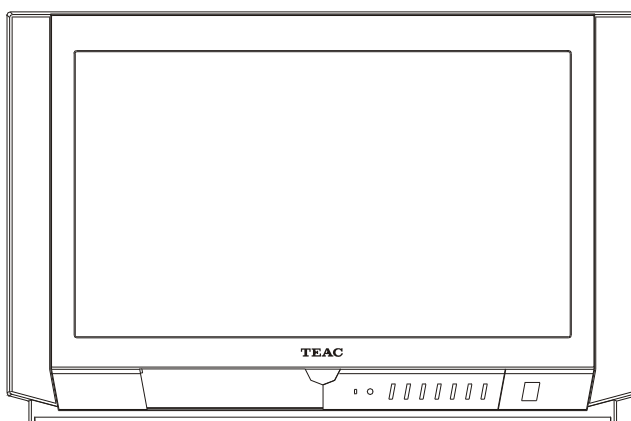
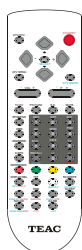


# TEAC<sup>®</sup>

COLOUR TELEVISION

# CT-W321D



## *OWNER'S MANUAL*

# IMPORTANT!

WARRANTY INFORMATION INSIDE. PLEASE READ

[www.teac.com.au](http://www.teac.com.au)

# TEAC<sup>®</sup> WARRANTY REGISTRATION

Please read this warranty card.

Keep your purchase receipt to enable you to proceed quickly in the event of a Warranty Service.

## Warranty Terms & Conditions

1. TEAC warrants to the original retail purchaser only, that this product is free from defects in material and workmanship under normal domestic use and authorises free service during the warranty period at any TEAC Authorised Centre only. TEAC warranty only applies to products purchased, used and serviced in Australia.
2. Subject to the terms herein, this warranty effectively covers the equipment as specified in the Warranty Periods Table from the date of purchase.
3. All parts, except the external cabinet, are warranted as specified in Warranty Periods Table, and will be repaired or replaced at the sole judgement of TEAC.
4. Normal customer maintenance as described in the owner's manual is not covered by this warranty (such as cleaning VCR heads etc.)
5. This warranty does not apply to equipment showing abuse, damage or that it may have been tampered with, altered or repaired outside any TEAC Authorised Service Centre. If so, the warranty will be void.  
**\*Your nearest Authorised TEAC Service Centre is listed in your Owners Manual**
6. In the event that this unit or any defective parts must be returned to TEAC Service Centres, a copy of this warranty certificate and of your purchase receipt must be enclosed to be a valid warranty. Such equipment or parts must be sent freight prepaid to the nearest authorised TEAC Service Centre. After the repair, the unit will be available for collection by the owner or it will be returned to the owner. The warranty does not cover freight or insurance. In all cases of in-transit damages or loss, a claim must be filed against the carrier by the purchaser.
7. In home service will only be provided as part of this warranty if all the following conditions are met;
  - a) The product is a Colour Television of 51cm screen size or over.
  - b) The product is within the warranty period.
  - c) The product is located within the normal service area of the local TEAC Service Provider.
 In any other situation or circumstance, where an in home service call is made, a service fee will be charged by the Service Provider.
8. TEAC Total Care in home service and installation is available at competitive rates.
9. No one is authorised to assume any liability on behalf of TEAC or impose any obligation on it, in connection with the sale of any equipment other than as stated in this warranty and outlined above.
10. In no event will TEAC be responsible or liable for indirect or consequential damages from interrupted operations or other causes.
11. Warranty is not transferable to any subsequent purchaser if the product is sold during the warranty period,

TEAC PRODUCT	WARRANTY PERIOD
Televisions / Plasma 106 cm and above	1 Year (In-Home Service Included)
LCD televisions 56cm and above	1 Year (In-Home Service Included)
Televisions – 51cm and above	1 Year (In-Home Service Included)
Televisions under 51 cm	1 Year (No In-Home Service)
Digital Set Top Boxes	1 Year (No In-Home Service)
VCR	1 Year (No In-Home Service)
DVD	1 Year (No In-Home Service)
Audio Systems	1 Year (No In-Home Service)

# TEAC<sup>®</sup> WARRANTY PROCEDURES

Please keep this information for your own records.

Please refer to the owner's manual to ensure that you have followed the correct installation and operating procedures.

1. Read owner's manual carefully
2. If you require Warranty Service, please contact the TEAC Service Centre
3. Please have your purchase receipt as your proof of purchase and the following details completed for a valid Warranty.

Owner's Name

Owner's Address

Postcode

Model Name/No.

Serial No.

Dealer's Name

Dealer's Address

Postcode

4. Please ensure that your product is packed appropriately upon return to the service centre.

If you have any other queries regarding service or warranty please contact the **TEAC Service Centre** in your State.

# TEAC<sup>®</sup>

[info@teac.com.au](mailto:info@teac.com.au)

[www.teac.com.au](http://www.teac.com.au)

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# 1. INTRODUCTION

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## 1.1 FEATURES

- TV Receiving System
  - PAL/BG
- AV Color System
  - PAL, NTSC 3.58 & 4.43
- Sound Systems
  - BG
- DTV Systems
  - DVB-T(Free To Air, Standard Definition Receiver For Australia)
- Preset Programs
  - 100 (For ATV Mode)
- Preset Method
  - Auto Search, Manual Store, Fine Tune(For ATV Mode)
- Tuning Method
  - FS
- Voltage Range
  - 240V~, 50Hz
- Display Language
  - English
- Functions Select
  - Pop Up Menu
- Remote Control
  - Full Function Infra-red Remote Controller
- Input/Output
  - 2 RCA-Type AV INPUT
  - 1 S-VIDEO INPUT
  - 1 YUV INPUT
  - 1 RCA-TYPE AV OUTPUT
  - SPDIF DIGITAL OUTPUT
  - RS232
- Useful Functions
  - Sleep Timer(15-240min.)
  - Auto Off (After 15 Min With No Signal)
  - Blue Background Selection (While No Signal)
  - 3 Default,1 User Picture Settings
  - Channel Skip
  - AV Stereo
  - Surround Mode
  - On/Off Timer
  - Game
  - Notebook
  - Calendar
  - Favorite Channel Setting
  - Program Prearrange
  - ESS & EPS
  - Super Woofer
  - Program Swap
  - Child Lock
  - Language Setting
  - Time Zone
  - Electronic Program Guide(EPG)
  - Fully Comply With DVB And MPEG-2 Standards
  - SPDIF Digital Audio Output
  - Software Upgraded Through RS-232Port
  - Automatic Network Search For Newly Added Channels/Programs
  - Parental Control For Channels
  - 256 Colors On-Screen Display-Support For English
  - OSD Teletext(DVB Compliant) And Subtitle Function Support
  - Extensive Channel Editing Functions-Rename, Delete, Lock,...

## 1.2 PRECAUTIONS

### **WARNING**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

### **CAUTION**

- To reduce the risk of electric shock, do not attempt to open the cabinet. There are no parts inside you can service yourself. Refer all servicing to qualified personnel.
- To ensure reliable operation and to protect the unit from overheating, the ventilation slots and openings must not be blocked or covered. Avoid placing the unit in enclosed spaces such as a bookcase, unless there is adequate ventilation.
- Keep this unit away from radiators and other heat sources.
- Avoid using the unit near strong magnetic fields.
- Do not push objects of any kind into this unit through the cabinet slots as they could touch current carrying parts or short-circuit parts, resulting in fire, electric shock, or damage to the unit.
- Be careful not to spill liquid of any kind on this unit. If liquid is spilled into the unit, consult a qualified service engineer.
- Use this unit in the horizontal (flat) position only.
- Avoid places the unit to strong vibration.
- Do not place heavy objects on the unit. This may damage the cabinet or cause trouble within the unit.
- Unplug the unit from the AC outlet when it is not to be used for a long period of time.
- When there is lightning, unplug the unit from the AC outlet immediately. Never touch the antenna wire during a lightning storm.
- You may experience static discharge when touching the unit. If this happens, and the unit fails to operate, turn off the power and disconnect the plug from the wall outlet.
- When installing the TV receiver, please make sure that a clearance of minimum 10 cm is kept between the top, side, back of the TV and the nearest wall or furniture enclosure in order to allow proper ventilation for the TV set.

### **CLEANING THE UNIT**

- When the cabinet has become dirty or stained, dip a piece of gauze or soft cloth into a dilute solution of neutral cleanser and wipe clean. Never use thinner or benzene since they will damage the surface of the cabinet.
- When the television screen become dirty, wipe it gently with a piece of soft, lint-free cloth. Do not scratch the surface of the screen.

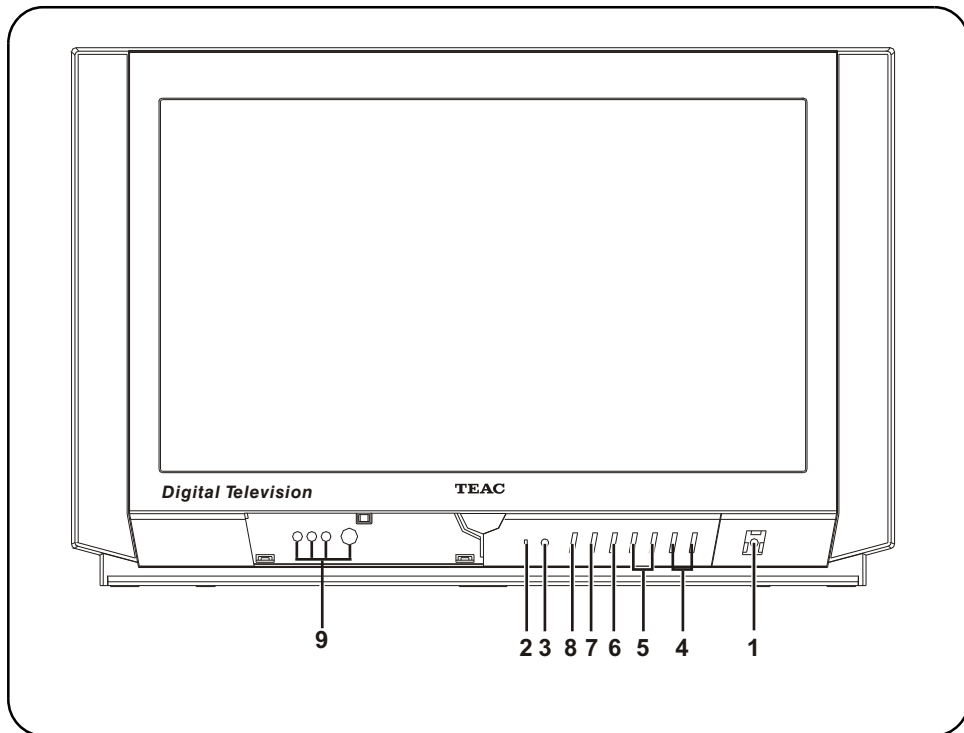
### **NOTE ON CONDENSATION**

**Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place or under high humidity .**

**Be sure any condensation has evaporated completely before power on the unit.**

## 1.3 DESCRIPTION OF CONTROL KEYS & CONNECTIONS

### 1.3.1 FRONT VIEW



#### 1. POWER button

Turn the TV on or off.

#### 2. STANDBY (LED INDICATOR)

Lights to show AC power is available.

#### 3. SENSOR

Receive infra-red signals from the remote controller.

#### 4. PROGRAM UP/DOWN buttons

Select channel numbers.

#### 5. VOLUME UP/DOWN buttons

Press it to increase or decrease the volume of TV.

#### 6. MENU button

Press it to display ATV main menu.

#### 7. TV/AV button

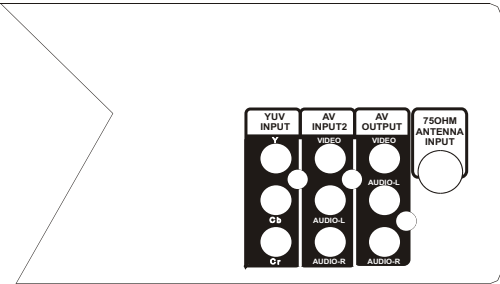
Choose between TV programming and the AV input.

#### 8. AUTO SEARCH button

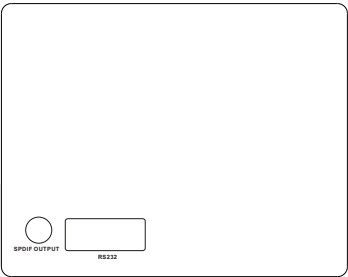
Directly access to auto search for ATV mode without going into submenu by pressing and holding this button for 3 seconds.

#### 9. FRONT AV INPUT jacks (AV1 INPUT)

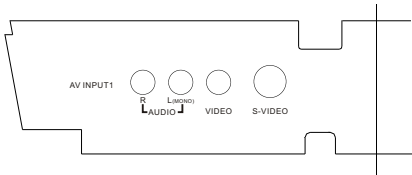
### 1.3.2 EXPLANATION OF JACKS



Rear Panel



Digital Audio Output & RS232 Port



Front AV Input  
(AV1 INPUT)

**75 OHM ANTENNA INPUT** Lets you connect a coaxial cable to receive the signal from the antenna or cable.

**Y, Cb, Cr** Provides optimum picture quality because the video is separated into three signals. Use three video grade cables for the connection. When using this connection make sure to connect left and right audio cables to the AUDIO input jacks. Press TV/AV to choose the video input channel. Choose YUV to view material playing on equipment connected to the component inputs.

**R (RIGHT) AUDIO** Provides right audio connection. The right audio connector is usually red. Press TV/AV to choose the video input channel. Choose AV1 to view material playing on equipment connected to the front AV inputs or AV2 to view material playing on equipment connected to the rear AV inputs.



**L (LEFT) AUDIO** Provides left audio connection. The right audio connector is usually white. Press TV/AV to choose the video input channel. Choose AV1 to view material playing on equipment connected to the front AV inputs or AV2 to view material playing on equipment connected to the rear AV inputs.

**VIDEO** Provides composite video connection. The video connector is usually yellow. Press TV/AV to choose the video input channel. Choose AV1 to view material playing on equipment connected to the front AV inputs or AV2 to view material playing on equipment connected to the rear AV inputs.

**S-VIDEO IN** Provides better picture quality than the standard video jack (the yellow jack) because the color part of the signal is separated from the black and white part of the picture. When using S-VIDEO IN, make sure to connect left and right audio cables to the L and R AUDIO Input jacks. Press TV/AV to choose the video input channel. Choose S-VIDEO to view material playing on equipment connected to the S-VIDEO jack.

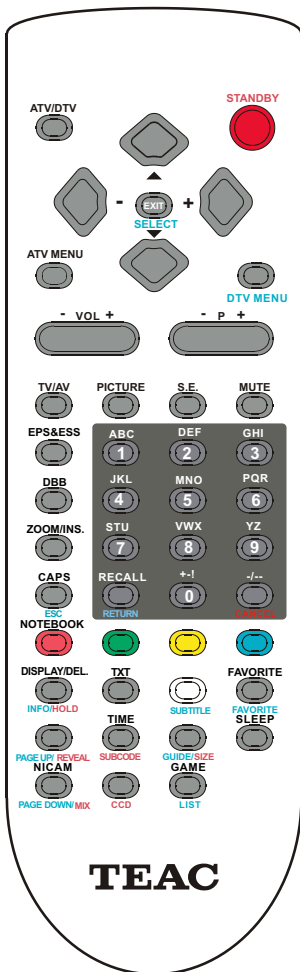
**AUDIO/VIDEO OUTPUT** Lets you connect an amplifier or audio receiver for improved sound quality. Press TV/AV to choose the audio and video that is sent to the output jacks.

**SPDIF OUTPUT** SPDIF Output is designed as a digital audio output (RCA OUTPUT MODE).

**RS 232** RS232 Series Port is provided for flashing new software into the digital board of your unit.

## 1.4 OPERATION OF REMOTE CONTROL

### 1.4.1 DESCRIPTION OF REMOTE CONTROL KEYS



#### STANDBY BUTTON

When the main power is on, press it to turn TV set on or off.

#### ATV/DTV BUTTON

Press it to switch between ATV and DTV.

#### UP▲/DOWN▼ BUTTON

Press it to move highlight bar upward or downward and adjust some controls.

#### LEFT- /RIGHT+ BUTTON

Press it to enter submenus, move highlight bar left/right or adjust some controls.

#### EXIT/SELECT BUTTON

In ATV mode, press it to exit the on-screen menu directly.

In DTV mode, press it to confirm selection.

#### ATV MENU BUTTON

Press it to display the main menu of ATV, and press it repeatedly to exit menu.

#### DTV MENU BUTTON

Press to display the main menu of DTV, and press it repeatedly to exit menu.

#### - VOL+ BUTTON(VOLUME DOWN/UP)

Press it to decrease or increase the volume of TV.

#### - P + BUTTON(PROGRAM DOWN/UP)

Press it to decrease or increase the current channel number.

#### TV/AV BUTTON

Press it to switch between TV program and AV input sources

#### PICTURE BUTTON

Press it repeatedly to select picture mode among Mild, Normal, Dynamic and PP.

#### S.E. BUTTON

Press it repeatedly to select sound effect mode among PP, Music, Speech and Theatre.

#### MUTE BUTTON

Press it to temporarily turn off the sound, and to restore it by pressing it once again.

#### EPS&ESS BUTTON

Press it to select one of the surround modes (OFF, Spatial Stereo and Pseudo Stereo).

#### NUMBER/LETTER BUTTON

Press it to select channel number directly, or press it to enter a letter, a digit or a symbol in some functions.

#### DBB BUTTON

Press it to turn DBB (Dynamic Bass Boost) on or off.

#### ZOOM /INS. BUTTON

Press it to select the vertical size as follows: 16:9, 4:3, 4:3 Scaling, Zoom, Subtitle mode. In the notebook window, press it to toggle between INS(insert) or OVR(overwrite) mode.

#### CAPS/ESC BUTTON

Press it to toggle the entry mode between uppercase and lowercase letters, or press it to go back the previous menu.

## 1.4.1 DESCRIPTION OF REMOTE CONTROL KEYS

### RECALL BUTTON

In ATV mode, press it to return to the previously viewed channel.

### RETURN BUTTON

In DTV mode, press it to return to the previously viewed channel.

### -/-- / CANCEL BUTTON

Press it to toggle between 1-digit and 2-digit mode before you enter the channel number. If you like to see a certain page which you have known the page number, but you do not want to spend time waiting for it, you can press CANCEL button to complete it, which will turn TELETEXT display to TV picture. Then you can enter the page number you want. When the page is found, the page number will appear in the up-left corner of the screen. Press CANCEL button again to get the page immediately.

### NOTEBOOK BUTTON

In ATV mode, directly press it to activate the notebook window.

In DTV mode, if you want to open the notebook window, you must first press ATV MENU button before pressing NOTEBOOK button.

### GREEN BUTTON

To access TELETEXT page corresponding to GREEN key.

### YELLOW BUTTON

To access TELETEXT page corresponding to YELLOW key.

### DISPLAY/DEL./INFO/HOLD BUTTON

To display the current channel number & name, color & sound mode, press it to display the current time on the screen.

Press it to remove a menu from the screen. In the input field of the on-screen menus including Notebook, press to delete the unwanted text.

With this toggle command, the hold function can be switched on or off. When HOLD is switched on, the icon (E) will be displayed on the top left corner of the screen instead of current page number or subcode, and the page searching will stop.

In DTV mode, press this button to display detailed help information.

### TXT BUTTON

Press it to activate TELETEXT and P100 will be displayed on the screen first. Press it again to go back to TV mode.

### SUBTITLE BUTTON

Press it to turn Subtitle On or Off.

### FAVORITE BUTTON

Press it to browse the favourite channels preset in Favourite Channel List. This function will not work if you have not set any favorite channel.

### PAGE UP/REVEAL BUTTON

Press it to move page up in TELETEXT mode. This function also reveals or conceals the hidden 4 Pages FAST TELETEXT information. Most other commands will conceal the information again.

### TIME/SUBCODE BUTTON

Press it to display TELETEXT time information. With this function, you can also toggle the 4 pages FAST TELETEXT between normal PAGE mode and subcode mode.

### GUIDE/SIZE BUTTON

In DTV mode, press it to enter Guides submenu, and press it again to exit the submenu.

In ATV mode, press it to toggle among 3 different series under TELETEXT mode: single height full page, double height top of page and double height bottom of page.

### SLEEP BUTTON

To set the sleep timer from 240 to 15 minutes by pressing the SLEEP button repeatedly.

To display the remaining time, press SLEEP button once.

To cancel the sleep timer, press SLEEP button repeatedly until 0 appears.

### STEREO / PAGE DOWN/MIX BUTTON

Press it to change between STEREO and MONO sound modes.

Press it to move page down in TELETEXT mode. The MIX mode results in a combined display of TV picture and 4 Pages FAST TELETEXT page.

### CCD BUTTON

Your TV displays the closed caption (CCD) that are broadcast with some television shows, press it to go to the TELETEXT P801.

### GAME/LIST BUTTON

In ATV mode, press it to enter Game, and press it again to exit.

In DTV mode, press it to display channel list dialog, and press it again to exit.

## 1.4.2 INSTALLATION OF BATTERIES

1. Open the battery compartment cover.
2. Install two Size AA batteries in correct direction.
3. Close the battery cover.

### **NOTE:**

- The life time of the batteries may last up to one year, depending on how often the remote controller is used. For the best performance, the batteries should be replaced on a yearly basis, or when remote operation became erratic.
- Be sure to place the batteries in the correct direction, as shown left.
- Do not mix old and new batteries, or different types.
- Old batteries may leak chemical and damage the remote controller. Always remove batteries as soon as they become weak.

## 1.4.3 EFFECTIVELY USING THE REMOTE CONTROLLER

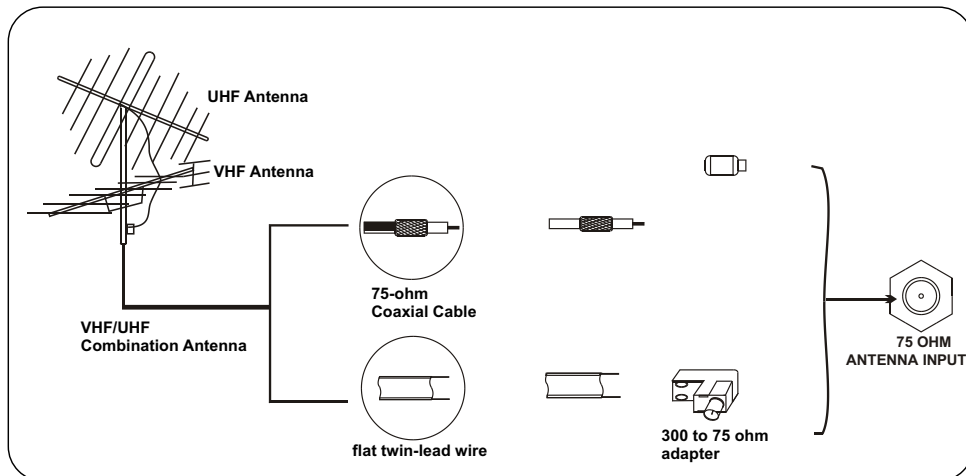
Point the remote toward the infra-red remote sensor on the main unit.

### **NOTE:**

- If direct sunlight, incandescent light, or any other strong light sources hit the remote controller sensor, the remote controller may not operate properly.
- If there is an obstacle between the main unit and the remote controller, the remote controller signal may not be received.

## 2. CONNECTIONS

### 2.1 ANTENNA CONNECTION



A combination antenna receives normal broadcast channels. Your connection is easy since you will connect the antenna to the 75 OHM ANTENNA INPUT jack on the rear of the TV.

- If your antenna has a round cable (75 ohm) on the end, then you are ready to connect it to the TV. Go to the next step. If your antenna has flat twin-lead wire (300 ohm), you first need to attach the antenna wires to the screws on a 300 to 75 ohm adapter (not supplied with your TV).
- Plug the round end of the adapter or antenna cable onto the 75 OHM ANTENNA INPUT jack on the rear of the TV. If the round end of the antenna cable is treaded, screw it down tight.
- Plug the TV power cord into a power outlet and turn on the TV. Refer to AUTO SEARCH to set up your available TV channels.

Note:

- If you have separate UHF and VHF antennas, you need an optional combiner to connect the antennas to the TV.

### 2.2 CABLE TV CONNECTION

The Cable TV signal comes directly via a 75 ohm coaxial cable, the connection is easy, using the following steps:

- Connect the Cable TV signal to the 75 OHM ANTENNA INPUT jack on the rear of the TV. Screw it down tight.
- Plug the TV's power cord into a power outlet and turn on the TV. Refer to AUTO SEARCH to set up your available TV channels.

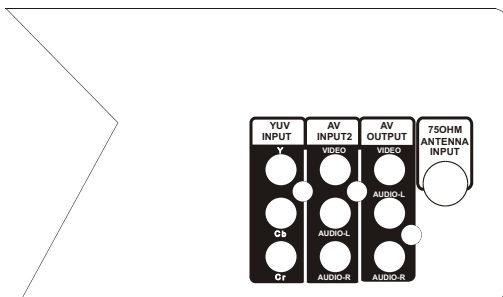
## 2.3 TV + VCR + DVD CONNECTION

The basic component (VCR, DVD player etc.) to TV connection is described below. For other hookup, refer to your component's instruction manual.

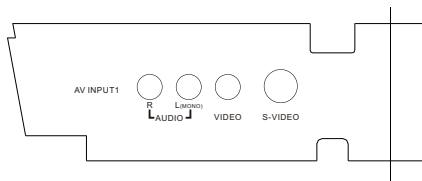
- Connect the audio cables (white and red) to the R and L AUDIO jacks on the TV and the Audio output jacks on the VCR (or other component). Match the cable color to the jack color.
- If your component has Component Output jacks YUV (Y, Cr, Cb), connect three video grade cables to the Y, Cr, Cb jacks on the component and to the Y, Cr, Cb jacks on the TV. If your component does not have these jacks, go to the next step.
- If your component has an S-VIDEO jack, connect an S-VIDEO cable to the S-VIDEO jack on the front of the TV and to the S-VIDEO jack on the component. If your component does not have an S-VIDEO jack, go to the next step.
- Connect a video cable (yellow) to the VIDEO INPUT jack on the TV and to the VIDEO OUT jack on your VCR (or other component).

Turn on the TV and the component.

- Press the TV/AV button repeatedly until the correct video input channel appears in the upper right corner of the TV screen. For front inputs choose AV1, for rear AV inputs choose AV2. This model has component jacks (Y, Cb, Cr), choose YUV as your video input channel.

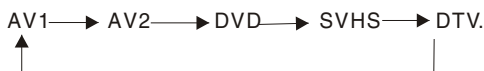


**Rear panel**



**Front AV input  
(AV1 INPUT)**

Under the status of DTV, repeatedly press TV/AV button to switch between DTV, AV1, AV2, DVD, SVHS mode, please see the following:



Under the status of ATV, repeatedly press TV/AV button to switch between TV, AV1, AV2, DVD, SVHS mode, please see the following:




**Note:**


- Use either S-VIDEO jack or VIDEO INPUT1 jacks. Do not use both at the same time for the same piece of equipment. This would interfere with the picture display.


# 3. ATV GENERAL OPERATION


The following operations will be conducted in the mode of ATV.


## Icon and the corresponding main menu










 → **Picture**

 → **Sound**

 → **Setup**

 → **Clock**

 → **Tune**

Picture		
	Brightness	50
	Colour	50
	Contrast	50
	Sharpness	50
	Tint	50
	Picture Enhance	Middle
	Combfiter	On
	Color Temp.	Normal
	Picture Mode	PP
↑ ↓ → MENU		EXIT








## 3.1 AUTO SEARCH








All the active channels will be stored automatically from channel No. 1 and upward in order.

- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select the Tune icon.
- Press RIGHT button to enter the Tune submenu.
- Press UP/DOWN button to highlight Auto Search.
- Press RIGHT button to start the auto searching, and then all available channels will be stored from No.1 and upward in order. Auto-searching will stop after all the frequency bands are searched, and the program of the first searched, channel 1 will show. If you want to exit auto search, just pressing EXIT or ATV MENU button to quit menu directly.

### Note:

*When auto search is finished, sound of beep can be heard.*








Tune		
	Program	36
	Frequency	503. 25MHz
	Manual Search	
	Skip	Off
	Colour	Auto
	Name	( )
	Auto Search	
↑ ↓ → MENU		EXIT

Tune		
	Program	36
	Frequency	503. 25MHz
	Manual Search	
	Skip	Off
	Colour	Auto
	Name	( )
	Auto Search	
MENU SEARCHING... EXIT		

## 3.2 MANUAL SEARCH

To preset the TV channel to your desired position number, manual searching should be used.

- Follow above steps to enter the Tune submenu
- Program is highlighting, and press right button to move highlight bar right.
- Select a channel by using the number buttons, e.g. 36. .
- Press ATV MENU button to go back to the Tune submenu.
- Press UP/DOWN to select Manual Search.
- Press RIGHT button or LEFT button to start manual channel searching upward or downward from the current position of this channel and current frequency. When an available channel is searched, the searching will stop. If the searched channel is not as you desired, repeat the above step to search again.
- If you want to stop manual searching, press ATV MENU or EXIT button, and press it again to go back the previous menu.
- When you finish manual channel searching, press EXIT button to quit menu directly, or menu will disappear after a few seconds without further action.

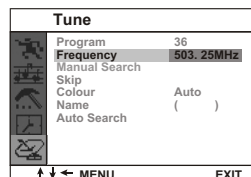
Tune		
	Program	36
	Frequency	503. 25MHz
	Manual Search	
	Skip	
	Colour	Auto
	Name	( )
	Auto Search	
← → MENU SEARCHING...		

## 3. ATV GENERAL OPERATION

### 3.3 FINE TUNING

Fine tuning function may improve the receiving quality for some weak /unstable channels by adjusting the channel frequency manually.

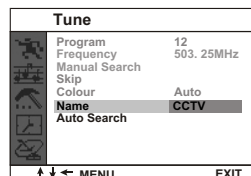
- Follow the above steps to enter Tune submenu.
- Program is highlighting, and press right button to move highlight bar right.
- Select a channel by using the number buttons, e.g. 36. .
- Press ATV MENU button to go back to the Tune submenu.
- Press UP/DOWN button to select Frequency.
- Press RIGHT button to enter Frequency adjustment filed.
- Press UP/DOWN button to fine tune the channel upward or downward until satisfied picture and sound quality are achieved.
- Press ATV MENU button to confirm and go back the previous menu.
- Press EXIT button to quit menu directly, or menu will disappear after a few seconds without further action.



### 3.4 CHANNEL NAME SETTING

After storing all the available local channels into your TV set, you can use this function to give a name to each channel as you like. Select a channel, then follow the steps below:

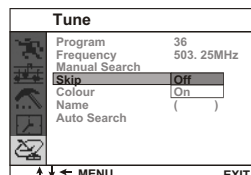
- Follow the above steps to enter Tune submenu.
- Program is highlighting, and press right button to move highlight bar right.
- Select a channel by using the number buttons, e.g. 36. .
- Press ATV MENU button to go back to the Tune submenu.
- Press UP/DOWN button to select Name.
- Press RIGHT button to enter Name adjustment filed.
- Press CAPS button to toggle between the entry modes of uppercase and lowercase letters, then enter a name for the selected channel using the number buttons, e.g. CCTV. (Only five letters can be inputted)
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.



### 3.5 CHANNEL SKIP

You can add or erase channels from the list in the TV's memory

- Using the number buttons to select a channel you want to remove from or add to the channel memory, e.g. 36.
- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN to select the main menu Tune.
- Press RIGHT button to enter the Tune submenu.
- Press UP/DOWN button to select Skip.
- Press RIGHT button to display the features of Skip.
- Press UP/DOWN to select On or Off. If you select Off, the channel 36 will be available when you press P+/- button to move through channels. Choosing On will remove the channel from the TV's memory and the channel will be unavailable when you press P+/- button to move through channels.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.





# 3. ATV GENERAL OPERATION

## 3.6 COLOUR SYSTEM SELECTION

This feature allows you to select suitable receiving system for the specific broad-casting system in your area.

- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select the main menu Tune.
- Press RIGHT button to enter the Tune submenu.
- Press UP/DOWN button to highlight Colour.
- Press RIGHT button to display the features of Colour (Auto, PAL, N3.58, N4.43)
- Press UP/DOWN button to select the desired colour system.
- Press ATV MENU button to go back to the Tune submenu.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds
- without further action.

Tune	
Program	36
Frequency	503.25M
Manual Search	Off
Skip	Off
Colour	Auto
Name	PAL
Auto Search	N3.58
	N4.43
↑ ↓ MENU EXIT	

**Notes:**

- *Colour system: if Auto is selected, the respective colour system will be automatically selected according to the transmission system. If the reception is poor at Auto mode, select your desired colour system manually.*

## 3.7 PICTURE ADJUSTMENT

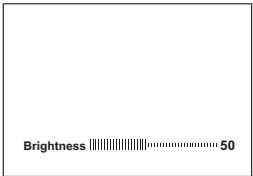
To adjust your TV picture, select a channel and follow the steps below:

- Press ATV MENU to display the on-screen menu.
- Picture is highlighted. Press RIGHT button to enter the Picture submenu.
- Press UP/DOWN button to highlight your choice: Brightness, Colour, Contrast, Sharpness, Tint, Rotate.
- Press RIGHT or LEFT button to increase or decrease the element you choose.
- Press UP/DOWN to go on selecting Combfilter (or Color TEMP.).
- Press RIGHT button to display the features of Combfilter (or Color TEMP.).
- Press UP/DOWN to select On or Off for Combfilter (or set Color TEMP. to Standard, Cool or Warm).
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.

**Notes:**

- *Brightness: Adjust to brighten the darkest parts of the picture.*
- *Colour: Adjust to add or reduce colour.*
- *Contrast: Adjust the distinction between the black and white parts of the picture.*
- *Sharpness: Improve picture detail.*
- *Tint: Obtain natural skin tones of NTSC picture. (for NTSC and YUV input, this feature is not selectable for other signal)*
- *Picture Enhance: you can change video picture quality by selecting Off, Middle or High.*
- *Combfilter: This TV set has adopted one-chip multi-standard adaptive Comb Filter, which provides unprecedented high resolution and vivid picture.*
- *Color Temp.: You can select Normal, Cool, or Warm picture preference. Normal will keep the whites, white; Cool will keep the whites, bluish; Warm will keep the whites, reddish.)*

Picture	
Brightness	50
Colour	50
Contrast	50
Sharpness	50
Tint	50
Picture Enhance	Middle
Combfilter	On
Color Temp.	Normal
Picture Mode	PP
↑ ↓ ← → MENU EXIT	



Picture	
Brightness	50
Colour	50
Contrast	50
Sharpness	50
Tint	50
Combfilter	On
Picture Enhance	Middle
Color Temp.	Normal
Picture Mode	Warm
	Cool
↑ ↓ ← → MENU EXIT	

# 3. ATV GENERAL OPERATION

## 3.8 PRESET PICTURE MODE

This function enables you to choose preset video settings for different types of programs and viewing conditions. Most picture settings are preset at the factory to automatically adjust the TV’s Brightness, Color, Contrast, and Sharpness.

- Press ATV MENU button to display the on-screen menu.
- Picture is highlighted, press RIGHT button to enter the Picture submenu.
- Press UP/DOWN button to highlight Picture Mode.
- Press RIGHT button to display the features of Picture Mode.
- Press UP/DOWN button to select Mild, Normal, Dynamic, or PP.
- Press EXIT button to quit menu directly, or menu will disappear after a few seconds without further action.

Picture	
Brightness	50
Colour	50
Contrast	50
Sharpness	50
Tint	50
Picture Enhance	Middle
Combfiter	Mild
Color Temp.	Normal
Picture Mode	Dynamic
	PP

**Notes:**

*The personal setting (PP) is what you specify with the picture adjustments as described on page 12. Personal is the only picture setting you can change. All others are set at the factory.*

## 3.9 SOUND ADJUSTMENT

To adjust your TV sound, select and use the sound menu controls.

- Press ATV MENU to display the menu.
- Press UP/DOWN to highlight Sound.
- Press RIGHT button to enter the Sound submenu.
- Press UP/DOWN to highlight your choice: AVL, or Loudness, DBB, Balance, or Equalizer.
- Press RIGHT button to display the features of your choice, e.g. AVL.
- Press UP/DOWN to select On or Off for AVL.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.

Sound	
AVL	Off
Loudness	Off
DBB	Off
Balance	0
Equalizer	
Sound Mode	PP

Sound	
AVL	Off
Loudness	On
DBB	Off
Balance	0
Equalizer	
Sound Mode	PP

**Notes:**

**AVL:** to turn AVL on or off. When On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

**DBB:** Adjust to turn DBB function on or off.

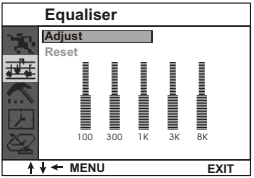
**Balance:** To adjust the level of sound coming from the left and right speakers

**Equalizer:** User can use this function to set desired sound tone.

## 3.10 EQUALISER SELECTION

You can enter Equaliser to adjust the sound to your desired level.

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN button to select Sound.
- Press RIGHT button to enter the Sound submenu.
- Press UP/DOWN button to highlight Equaliser.
- Press RIGHT button to display the features of Equaliser.
- Press RIGHT button to select the frequency you want to adjust: 100HZ, 300HZ, 1KHZ, 3KHZ and 8KHZ.
- Press UP/DOWN button to adjust the setting to your desired level.
- Press ATV MENU to go back to the previous menu. Press UP/DOWN button to highlight Reset. Then all of the levels will be set to 50% automatically.

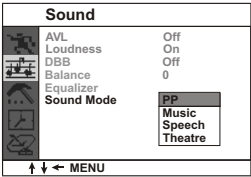


# 3. ATV GENERAL OPERATION

## 3.11 SOUND MODE SELECTION

You can preset sound mode that best suits your current programming among PP, Music, Theatre or Speech.

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN button to select Sound.
- Press RIGHT button to enter the Sound submenu.
- Press UP/DOWN button to select Sound Mode, press RIGHT button to display the features of Sound Mode.
- Press UP/DOWN to select PP, Music, Speech or Theatre.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.

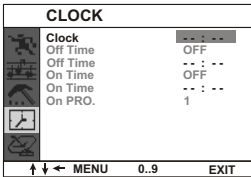


# 4. TIMER FUNCTION

## 4.1 CLOCK

Follow these steps to set the clock.

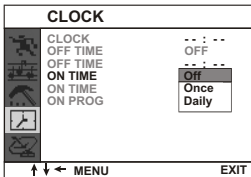
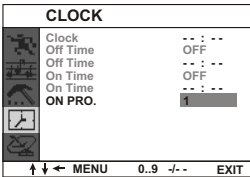
- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select CLOCK icon.
- Press RIGHT button to enter the CLOCK submenu.
- Press UP/DOWN to highlight Clock.
- Press RIGHT button to highlight hour position in red, then use the number buttons or UP/DOWN button to set the hour.
- Press RIGHT button to highlight minute position in red, then use the number buttons or UP/DOWN button to set the minute.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.



## 4.2 ON-TIMER

To turn on the TV to a specific channel at a specific time, use the On-Timer. Before you begin, set the clock correctly.

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN to select the CLOCK icon.
- Press RIGHT button to enter the CLOCK submenu.
- Press UP/DOWN to highlight ON PRO.
- Press number buttons (or UP/DOWN button) to enter a channel number. This will be the channel to which the TV turns on at the specified time.
- Press UP/DOWN button to select the first ON TIME.
- Press RIGHT button to display the features of On Time. Then press UP/DOWN button to select Off, Once or Daily.  
(If you select Once, the timer will turn on the TV one time within the next 24 hours only. If you select Daily, the timer will turn on the TV at the same time and to the same channel every day. Choose Off to cancel the On-timer, and it is not available to set On-time in off mode.)



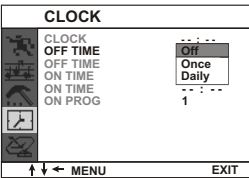
## 4. TIMER FUNCTION

- Press ATV MENU button to go back to the submenu of Timer. Then press UP/DOWN button to select ON TIME.
- Press RIGHT button to highlight hour position in red, then use the number buttons or UP/DOWN buttons to set the hour.
- Press RIGHT button to highlight minute position in red, then use the number buttons or UP/DOWN buttons to set the minute.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.

### 4.3 OFF-TIMER

To turn off the TV at a specific time every day, use the Off-imer. Before you begin, you must set the clock correctly.

- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select the CLOCK icon..
- Press RIGHT button to enter the CLOCK submenu.
- Press UP/DOWN button to highlight the first OFF TIME.
- Press RIGHT button to display the features of the Off Time. Then press UP/DOWN to select Off, Once or Daily.  
(If you select Once, the timer will turn off the TV once. If you select Daily, the timer will turn off the TV at the same time every day. Choose Off to cancel the Off-timer, and it is not available to set Off-time in off mode.)
- Press ATV MENU button to go back to the submenu of Timer. Then press UP/DOWN button to select OFF TIME..
- Press RIGHT button to highlight hour position in red, then use the number buttons or UP/DOWN buttons to set the hour.
- Press RIGHT button to highlight minute position in red, then use the number buttons or UP/DOWN buttons to set the minute.
- Press EXIT button to quit menu directly, or menu will disappear after a few seconds without further action.

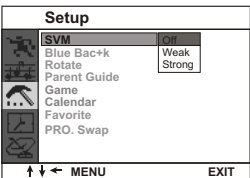


## 5. SPECIAL FUNCTION

### 5.1 SVM SETTING

This function (Scan Velocity Modulation) enables you to improve the picture quality.

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN button to select Setup.
- Press RIGHT button to enter the Setup submenu.
- Highlight SVM with UP/DOWN button and then press RIGHT button to display the features of SVM.
- Press UP/DOWN to set SVM to Off, Weak or Strong mode.
- Press EXIT to quit menu, or menu will disappear after a few seconds without any further action.

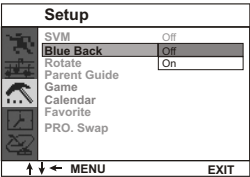


# 5. SPECIAL FUNCTION

## 5.2 BLUE BACK SETTING

If this function is set to On mode, it will display a solid blue screen when a channel is selected that has no signal.

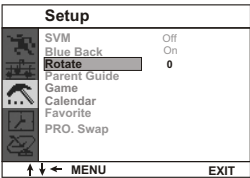
- Press ATV MENU button to display the menu.
- Press UP/DOWN button to select Setup.
- Press RIGHT button to enter the Setup submenu.
- Press UP/DOWN down to select Blue Back.
- Press RIGHT button to display the features of Blue Back.
- Press UP/DOWN button to set Blue Back to On or Off mode.
- Press EXIT button to quit menu directly, or menu will disappear after a few seconds without further action.



## 5.3 GEOMAGNETIC CORRECTION

Due to the geomagnetic effect, the picture will slant horizontally. You can adjust it as follows:

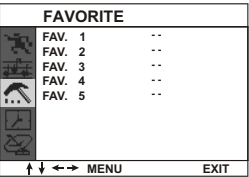
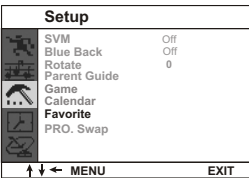
- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select Setup.
- Press RIGHT button to enter the Setup submenu.
- Press UP/DOWN button to select Rotate.
- Press RIGHT button to adjust the gradient of the picture until you get the satisfied display.
- Press EXIT to quit menu, or menu will disappear after a few seconds without any further action.



## 5.4 FAVORITE CHANNEL SETTING

You can store five channels you prefer into the Favorite List and recall these channels easily by pressing the FAVOURITE button on the remote control.

- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select the main menu Setup.
- Press RIGHT button to enter the Setup submenu.
- Press UP/DOWN button to select Favorite.
- Press RIGHT button to display the features of Favorite.
- Press UP/DOWN button to FAV.1 (or FAV.2, FAV.3, FAV.4, FAV.5), then press RIGHT button to enter the channel number input field.
- Press the -/-- to select the 1-digit or 2-digit channel number, then input the channel number using the number buttons. You can delete the unwanted digit with DISPLAY/DEL button and reset the favorite channel number again.
- Press EXIT button to quit menu directly, or menu will disappear after a few seconds without further action.

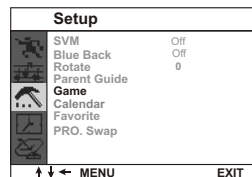


## 5.5 TETRIS GAME

Tetris is deceptively simple, yet, completely addictive. Small shapes called Tetraminoes fall from the top of the Playfield to the bottom. Players must rotate the Tetraminoes as they fall, and fit them together to complete lines. When the player fills an entire line with blocks, that line is removed from the screen. If the player cannot complete lines, the blocks will eventually rise past the top of the screen and the game ends.

## 5. SPECIAL FUNCTION

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN button to highlight Setup icon.
- Press RIGHT button to enter the Setup submenu.
- Press UP/DOWN button to highlight Game.
- Press RIGHT button to enter Game directly.
- Play game with UP/DOWN button and LEFT/RIGHT button.
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.



**Note:** 1. Do not play game in Zoom or Subtitle mode.

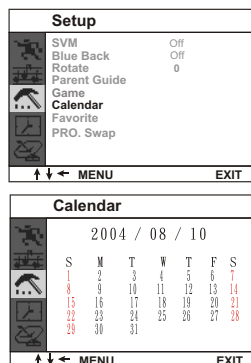
2. When the button is pressed, sound of beep can be heard.

3. The game is not available under DTV mode.

### 5.6 CALENDAR

This feature enables you look up date easily.

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN to highlight Setup.
- Press RIGHT button to enter the Setup submenu.
- Press UP/DOWN button to highlight Calendar.
- Press RIGHT button to display the features of Calendar.
- Press RIGHT button to select year position (or month, day).
- Press UP/DOWN button to select the desired year (month, or day).
- Press EXIT to quit menu directly, or menu will disappear after a few seconds without further action.



### 5.7 PARENTAL GUIDE

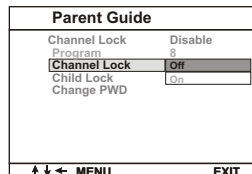
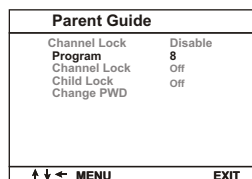
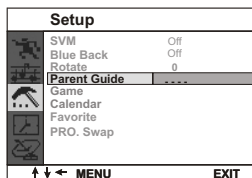
Using this function, you can lock the channels you think inappropriate for children to watch. If you want to lock the channels, you must enter the password firstly.

- Press ATV MENU to display the on-screen menu.
- Press UP/DOWN to select the main menu Setup.
- Press RIGHT to enter the Setup submenu.
- Press UP/DOWN to select Parent Guide.
- Press RIGHT to highlight the password position and use number buttons to enter a password (0000 is the default code of the TV). Then the features of Parental Guide are displayed on the screen.
- Press UP/DOWN to select the first Channel Lock, then press RIGHT/LEFT to select Disable or Enable. If Enable is highlighted, Frequency, Manual Search & Auto Search in Tunemenu will be unable to use.

**Note:** You can use the smartcode 5898 to enter the Parent Guide menu instead of the default code 0000 or the new password you have set.

**If you want to lock a program, following the steps below:**

- Press UP/DOWN to select Program, and then enter a channel number with number buttons eg. 8. This is the channel you want to lock.
- Press ATV MENU to go back to the previous menu, and then press UP/DOWN button to select the second Channel Lock.



## 5. SPECIAL FUNCTION

- Press RIGHT to display the features of Channel Lock and then press UP/DOWN to select On or Off. When On is selected, it means you want to lock this channel. Repeat the above steps to set other channels you want to lock.
- Press ATV MENU to go back to the previous menu, and then press UP/DOWN to select the first Channel Lock.
- Press RIGHT to display the features of Channel Lock and then press UP/DOWN to select Disable or Enable. When Enable is selected, all the channels you select to be locked will be enabled.

*If you want to prevent the children against all channels, go on with the following steps:*



- Press **ATV MENU** to go back to the previous menu, and then press **UP/DOWN** to highlight **Child Lock**.
- Press **RIGHT** to display the features of **Child Lock** and then press **UP/DOWN** to select **On** or **Off**. When **On** is selected, the buttons on the front panel of the TV will be disabled.
- When turning on the TV, **INPUT PASSWORD** appears on the screen. One has to input the password, then all buttons become active again.

*If you want to change the password, go on with the following steps:*

- Press **ATV MENU** to go back to the previous menu, and then press **UP/DOWN** to select **Change PWD**.
- Press **RIGHT** and then **New PWD** is highlighted. Use the number buttons to enter a new password and finally enter the same digit again to confirm.

Parent Guide	
<b>Channel Lock</b>	<b>Disable</b>
Program	Enable
Channel Lock	Off
Child Lock	Off
Change PWD	
<div> <div>↑ ↓ ←</div> <div>MENU</div> </div> <div>EXIT</div>	

Parent Guide	
Channel Lock	Disable
Program	8
Channel Lock	Off
Child Lock	Off
Change PWD	On



**MENU**
**EXIT**

Change Password	
New PWD	----
Confirm	----
<div> <div>↑ ↓ ← →</div> <div>MENU</div> <div>EXIT</div> </div>	

## 5.8 NOTEBOOK

This feature enables you to store personal messages.

- Press NOTEBOOK button to display Notebook window directly.
- Press CAPS button to toggle the entry mode between uppercase or lowercase letters.
- Use number buttons to enter letters, numbers or some special symbols.
- Press DISPLAY/DEL button to delete the unwanted text.
- Press ZOOM/INS button to select INS (INSERT) or OVR (OVERITE) on the screen and then use number buttons to insert or overwrite the letter or number in the text.
- Press UP/DOWN button to select MESSAGE, and then press LEFT/RIGHT button to select ON or OFF. If you select ON, the Notebook window with the stored message will be displayed on the screen first when the TV is turned on. Meanwhile, you can hear the sound of beep.
- If you want to display the message at a specified time, go on selecting --:--, enter the time using LEFT/RIGHT button, e.g. 7:30, meanwhile, message should be selected on, then set MESSAGE to ON. It means that the Notebook window with the stored message will be automatically displayed on the screen at 7:30. Meanwhile, you can hear the sound of beep.

**Note: This function is not available under DTV mode.**

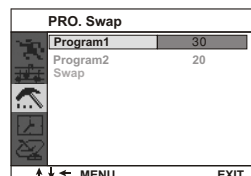
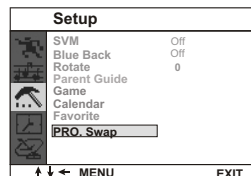
Notebook	
F	
QVR	MESSAGE OFF

## 5. SPECIAL FUNCTION

### 5.9 PROGRAM SWAP

After the auto or manual search, you may want to rearrange the program numbers in which the channels are stored. In this case, program swap function may be useful to you.

- Press ATV MENU button to display the on-screen menu.
- Press UP/DOWN button to select the Setup icon.
- Press RIGHT button to enter the Setup submenu.
- Press UP/DOWN button to select PRO.Swap.
- Press RIGHT button to enter PRO.Swap.
- Press UP/ DOWN button to select Program 1, then press RIGHT button to highlight the program number position and use number buttons to enter the program number, e.g. 30. Use the same method to enter the program number in the next line, e.g. 20. That means these two programs will be switched.
- Then press the UP/DOWN button to select Swap and press RIGHT to finish the setting.
- If you want to set other channel, follow the above procedure.
- Press EXIT to quit menu, or menu will disappear after a few seconds without any further action



## 6. DTV OPERATION

After your TV was powered on, you can enter DTV mode by pressing ATV/DTV button.

### 6.1 LANGUAGE SETTING

The default settings of the OSD language, audio language or subtitle language are all English, you can adjust the language of your TV as English, German, French, Italian or Spanish, follow these steps to conduct language settings:

- Press DTV MENU button to display Main Menu as figure1.
- Press UP or DOWN button to highlight the Settings submenu, and press SELECT button to access, please see figure2.
- Press UP or DOWN button to highlight Language and press SELECT button to display the features of the Language submenu.
- Press UP or DOWN button to highlight Preferred and enter its submenu by pressing SELECT button.
- Press UP or DOWN button to highlight Audio Language and display its features by pressing SELECT or Right button, please see figure3.
- Press UP or DOWN button to highlight your preferred audio language, such as English, and select it by pressing SELECT button.
- Follow the above same steps to select your preferred subtitle language. Current language is the language to be used for the current selected channel, only language available with currently selected channel will be displayed.
- Press ESC button to quit current menu and go back its previous menu, or press DTV MENU button directly to exit main menu.

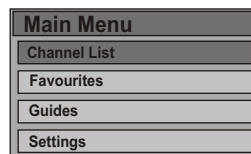


Figure1

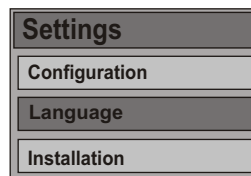


Figure2



Figure3

**Note:** ① More at the bottom right of the Figure3 means getting more information by pressing INFO button. When the dialog of detailed information is displayed in the bottom of screen, the dialog will be vertically zoomed in by pressing SELECT button, and the dialog will exit by pressing the button again.



## 6. DTV OPERATION

### 6.2 CHANNEL SETTING

#### 6.2.1 AUTO SEARCH

Automatic search is provided to scan each channel for services, follow these steps to perform auto search channel:

- Highlight the Settings in Main Menu and press SELECT button to access.
- Press UP or DOWN button to highlight Installation and press SELECT button to display the features of the Installation submenu, please see figure 4.
- Press UP or DOWN button to highlight Automatic Search and press SELECT button to display the dialog as right, figure 5.
- Select Yes by pressing SELECT button to start automatic search, please see figure 6.
- If selecting No, it will exit all menus and go back to the program playing.
- If you want to cancel the ongoing auto search, press DTV MENU button.
- When automatic search finished, your TV will go back to the programme that has been just searched.

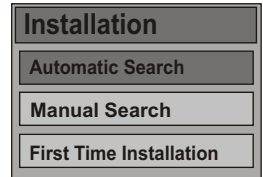


Figure 4



Figure 5

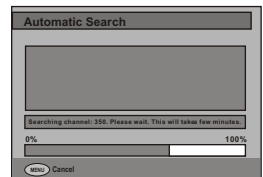


Figure 6

**Note:** In DTV mode, you cannot search program from analog signal, but you can conduct some settings distributed in the OSD of analog parts, such as Picture, Contrast, Brightness, etc.

#### 6.2.2 MANUAL SEARCH

Manual search is provided to allow the user to scan an individual channel for services, follow these steps to perform manual search:

- Highlight the Settings in Main Menu, and press SELECT button to access.
- Press UP or DOWN button to highlight Installation and press SELECT button to display the features of the Installation submenu.
- Press UP or DOWN button to highlight Manual Search, next press SELECT button to enter Manual Search dialog, then press LEFT or RIGHT button to select a channel to search, finally press SELECT button to search the channel, see figure 8.
- When an available channel is searched, the searching will stop, and your TV will go into the mode of the searched channel playing.
- When the selected channel is not available, the dialog “ No channels found on the selected channel ” will appear on the screen, press SELECT button to go back to watch TV.

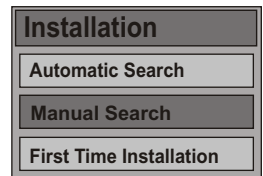


Figure 7

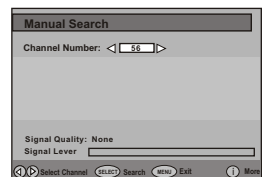


Figure 8

## 6. DTV OPERATION

### 6.2.3 FIRST TIME INSTALLATION

When your TV is first switched on, the TV will configure itself for the first time, this is called "First Time Installation", or you can also follow below steps to set First Time Installation:

- Highlight the Settings in Main Menu and press SELECT to access.
- Press UP or DOWN to highlight Installation and press SELECT button to display the features of the Installation submenu.
- Press UP or DOWN button to highlight First Time Installation, next press SELECT button to enter the dialog as figure 10.
- Move highlight bar to Yes and press SELECT button to display the dialog as figure 11, select Yes by pressing SELECT button to start automatic search. If you move RIGHT button to select No, your TV will exit all menus and go back to program playing. After you selected Yes, all existing settings will be deleted.

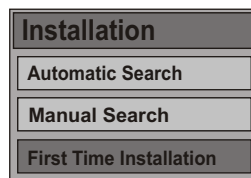


Figure9

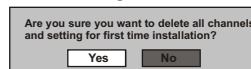


Figure10



Figure11

## 6.3 CONFIGURATION

This feature enables you to configure your TV system as a mode that you desired.

### 6.3.1 TIME ZONE

NSW/ACT, NT, QLD, SA, TAS, VIC and WA, seven types of time zones, are provided to you to select, follow these steps below to set a Time Zone that you want:

- Highlight the Settings in Main Menu and press SELECT button to access, figure12.
- Press UP or DOWN button to highlight Configuration and press SELECT button to display the features of the Configuration submenu, please see figure13.
- Press UP or DOWN button to highlight Time Zone and start selecting a kind of time zone by repeatedly pressing LEFT or RIGHT button.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

### 6.3.2 SUBTITLE

Subtitles can be enabled or disabled using the Subtitle key on the remote control, or through dialog provided in the Configuration item of Settings submenu in Main Menu. In Configuration dialog, follow these steps below to set your TV subtitle:

- Highlight the Settings in Main Menu and press SELECT button to access.
- Press UP or DOWN button to highlight Configuration and press SELECT button to display the features of the Configuration submenu.
- Press UP or DOWN button to highlight Subtitle and changing Subtitle into On or Off by repeatedly pressing LEFT or RIGHT button, please see figure14.
- Press ESC button to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

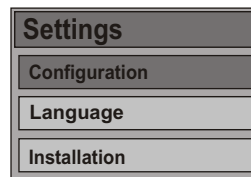


Figure12

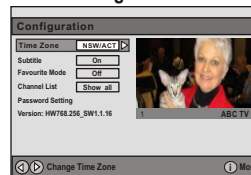


Figure13

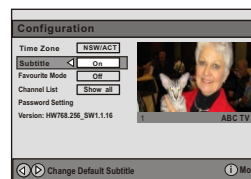


Figure14

## 6. DTV OPERATION

### 6.3.3 FAVOURITE MODE

The favourite mode can be enabled or disabled from the Configuration of Settings, or you can also enable or disable the mode by repeatedly pressing FAVOURITE button on the remote control. After selecting a favourite mode, you can quickly switch between some different favourite channels that belong to the same favourite list through pressing P+ or - button. The TV allows you to have up to five different favourites lists, follow these steps below to select favourite mode:

- Highlight the Settings in Main Menu and press SELECT button to access.
- Press UP or DOWN button to highlight Configuration and press SELECT to display the features of the Configuration submenu.
- Press UP or DOWN button to highlight FAVOURITE MODE and display a kind of favourite mode by repeatedly pressing LEFT or RIGHT button, then press SELECT button to confirm, please see figure15. If no favourite channels have been set in a favourite list, please go to Edit Favourite Lists to set favourites in Favourites submenu, please refer to 6.4.4 Favourite Lists for more detail.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

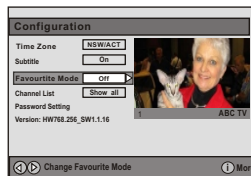


Figure15

### 6.3.4 CHANNEL LIST MODE

You can configure this TV to use exclusive TV, Radio or Text services, this feature is known as Channel List Mode. When the channel list mode is enabled, the P+ or - buttons on the remote control will only select those services in the current Channel List Mode. You can select a kind of channel list mode in Configuration dialog, follow these steps to set Channel List Mode:

- Highlight the Settings in Main Menu and press SELECT button to access.
- Press UP or DOWN button to highlight Configuration and press SELECT to display the features of the Configuration submenu.
- Press UP or DOWN button to highlight Channel List, and repeatedly pressing LEFT or RIGHT button to display a kind of channel list mode, such as Show all, then press SELECT to confirm. The channel list mode cannot be selected if there are no services available.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

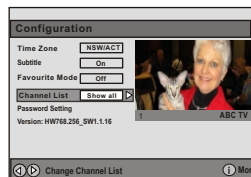


Figure16

## 6. DTV OPERATION

### 6.3.5 PASSWORD SETTINGS

This feature allows you to lock Main Menu, Installation. When the above services are locked, it is impossible to access to the service without entering password, follow these steps below to lock the above menus:

- Highlight the Settings in Main Menu, and press SELECT button to access.
- Press UP or DOWN button to highlight Configuration and press SELECT to display the features of the Configuration submenu.
- Press UP or DOWN button to highlight Password Settings, and press SELECT button to display the dialog as figure17.
- Use the digit button to enter a password in the dialog, the default password of the lock key is 0000. After inputting the password, press SELECT button to enter the dialog as figure18. If user has forgot password that was previously set, the password can be reset to "0000" by implementing First Time Installation in main menu.
- Press UP or DOWN button to highlight Menu Lock, then press LEFT or RIGHT button to select Installation.
- Press UP or DOWN button to highlight Set Lock Key, then input a new password by using digit button on the remote control to lock the Installation menu. You must be very careful when you perform the operation, because once you forgot the new password, you can not reset it by performing First Time Installation. Follow the above steps to lock Main Menu.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

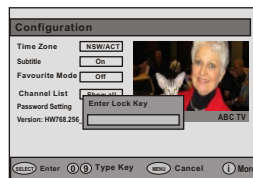


Figure17

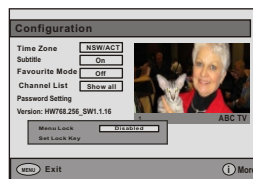


Figure18

## Warning:

**When inputting new password in SetLock Key highlightbar, you must keep a very good memory. Once you forgot the password of Installation Menu or Main Menu, you will no longer be able to reset the password with attempting to perform First Time Installation. Certainly, you can not enter Main Menu or Installation Menu without the password, so you must be very prudent when inputting a new password.**

## 6. DTV OPERATION

### 6.4 CHANNEL LIST

This feature enables you to delete an unwanted channel, edit channel name, lock any inappropriate channel, etc.

#### 6.4.1 DELETE CHANNEL

To delete an unwanted channel, follow these steps below:

- Highlight Channel List in Main Menu, and press SELECT buttons to display the dialog of the Channel List.
- Press UP or DOWN button to select an unwanted channel.
- Press LEFT or Right buttons to highlight Delete, and press SELECT button to display a dialog as figure20.
- Move highlight bar to Yes and press SELECT button to delete the unwanted channel.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

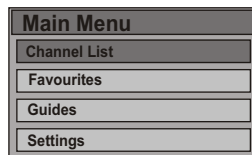


Figure19



Figure20

#### 6.4.2 EDIT CHANNEL NAME

To change or edit an existing channel name, follow these steps below:

- Highlight Channel List in Main Menu, and press SELECT buttons to display the dialog of the Channel List.
- Press UP or DOWN button to select an existing channel.
- Press LEFT or Right buttons to highlight Edit Name, and press SELECT button to enter the channel editing dialog, please see figure21.
- Repeatedly press digit/letter buttons or UP/DOWN button to edit the channel name, and press SELECT button to confirm.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

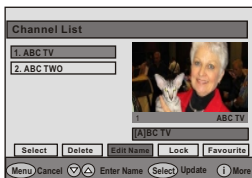


Figure21

#### 6.4.3 LOCK CHANNEL

You can set a password to lock a channel being unfit for children to watch in Channel List dialog, follow below steps to lock an unwanted channel:

- Highlight Channel List in Main Menu, and press SELECT button to display the dialog of the Channel List.
- Press LEFT or Right buttons to highlight Lock, and press SELECT button to display the Enter Lock Key dialog as figure22.
- Use the digit buttons on the remote control to input the password of lock (the default code of lock is 0000) in the above dialog to enter the lock mode dialog as figure23. This password is the same as the password of Password Settings.
- Press UP or DOWN button to highlight a channel, and repeatedly press SELECT button to lock or unlock the channel.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

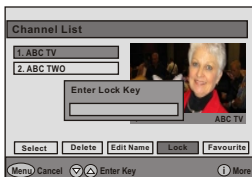


Figure22

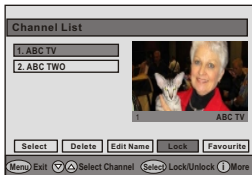


Figure23

## 6. DTV OPERATION

### 6.4.4 FAVOURITES LIST

This feature enables you to quickly select a list of channels you consider favourite, the TV allows you to have up to five different favourites lists. Edit Favourite Lists dialog can be accessed not only by selecting the Favourites on the Channel List dialog, but also by selecting Favourites in Main Menu, follow these steps below to edit favourite lists in Channel List dialog.

- Highlight Channel List in Main Menu, and press SELECT button to display the dialog of the Channel List.
- Press LEFT or RIGHT buttons to highlight Favourite in the dialog, and press SELECT button to enter Edit Favourite Lists dialog.
- Press UP or DOWN button to highlight a channel, then press LEFT or RIGHT button to highlight a list, next press SELECT button to add the highlighted channel to the highlighted favourite list. If you want to remove the channel from the favourite list, please press SELECT button again, please see figure25.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.



Figure24



Figure25

## 6.5 ELECTRONIC PROGRAM GUIDE(EPG)

This EPG feature contains two aspects, one is Now/Next EPG, the other is List Schedule EPG. An Now/Next EPG dialog is provided that allows you to view the current and next programme playing on each service, follow these steps to enter the dialog:

- Press UP or DOWN button in Main Menu to highlight Guides.
- Press SELECT button to display the features of Guides, or you can also display the features by directly pressing Guide button.
- Press SELECT button again to enter Now/Next EPG dialog as figure27.

In this dialog a list of channels and the corresponding current and next program are displayed, you can navigate up and down the list of channels by pressing UP or DOWN button and highlight either the now or next programme.

Information for the highlighted programme is displayed in the box to the left of the video. This information includes the start/end time of the programme, the programme genre in brackets, and a synopsis of the programme content. You may select a highlighted program in the Current Event list to watch by pressing SELECT button.

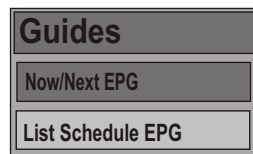


Figure26

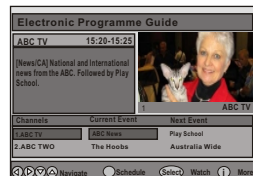


Figure27

## 6. DTV OPERATION

An List Schedule EPG dialog is provided that presents some extended schedule EPG information, either on a banner for the current service, or as a full screen dialog showing multiple services, follow these steps below to enter the dialog:

- Move the highlight bar until List Schedule EPG in Guides submenu, and press SELECT button to enter the dialog as figure 29.
- Press ESC to quit current menu and go back its previous menu, or press DTV MENU directly to exit main menu.

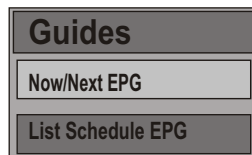


Figure 28

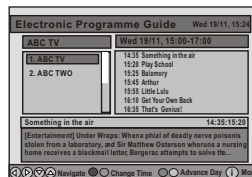


Figure 29

In this dialog, the leftmost list displays all available services, the current selected service is displayed in the title bar of the list. The rightmost list displays two hours of schedule information for the currently selected service, its title shows the time span covered by the list. You can navigate between the two lists to change the selected service or the highlighted programme by pressing LEFT/RIGHT buttons, and you can also change the time span of the schedule information displayed for a channel by either two hours or an entire day through pressing RED/GREEN button or YELLOW/BLUE button on the remote control.

In the case when there is no schedule information available, the list shown on the dialog will display the label No Information Available.

### NOTE:

*In DTV main menu, press SELECT button to enter Channel List dialog, or directly press List button on the remote controller to enter Channel List dialog, press UP/DOWN button to highlight a channel, and press SELECT button to select the channel as current channel, then press DTV MENU or LIST button to exit the dialog and watch the current selected channel.*

*In DTV mode, you can select a program by directly pressing P-/ + button or digit button. For example, if you selected CHANNEL 7, and the following six sub-channels, 7.7, 70.7, 71.7, 72.7, 73.7, 77.7, has existed in the channel. You can watch the program of 71.7 by directly pressing the digits 7 and 1. Next, if you press P+ button, your TV will access to the program of 72.7.*

*If you press digit 7 and 4 buttons, your TV will access to the program of 73.7, because 73 is the closest and smallest digit to 74. If the current sub-channel is 73.7, when you press P+ button, your TV will access to the program of 77.7, that is to say, any empty program can not be selected by pressing P+/- button or digit buttons.*

*In DTV mode, some audio programs without picture can be received.*

*Your TV is fit for MPEG-2 standard and AUSTRALIA DVB-T standard. It is a standard definition handled module, so the TV can not decode high definition (HD) content, it can only decode standard definition content. When your TV selected a program of high definition, the following dialog will appear on the screen: "can not decode HD content" .*

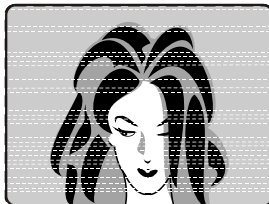
## 7. TROUBLESHOOTING

### 7.1 PROBLEMS OF PICTURE

The most common types of picture problems are as follows:

#### IGNITION

Black spots or horizontal streaks appear, or the picture flutters or drifts. This is usually caused by interference from car ignition system, neon lamps, electric drills, or other electrical appliances.



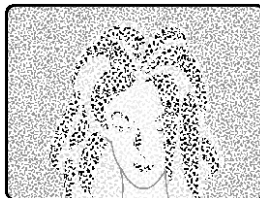
#### GHOSTS

Ghosts are caused by the television signal following two paths. One is the direct path, the other is reflected from tall buildings, hills, or other objects. Changing the direction or position of the antenna may improve the reception.



#### SNOW

If the antenna is located in the fringe area of a television signal where the signal is weak, the picture may be marred by dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the reception.



#### RADIO FREQUENCY INTERFERENCE

This interference produces moving ripples or diagonal streaks, and in some cases, loss of contrast in the picture.



#### CRT DEGAUSSING

If the TV screen has been magnetized with improper colour appearing on the particular area of screen, power off the TV (or unplug AC cord). After 10 minutes, turn on the main power (or plug in AC cord). Repeat the above process until improper colour disappear.





## 7. TROUBLESHOOTING

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### 7.2 PROBLEMS IN OPERATION

If this unit does not seem to operate properly, check the POSSIBLE CAUSES below.

SYMPTOM	POSSIBLE CAUSES
NO POWER	<ul style="list-style-type: none"><li>• The power cord is not connected.</li><li>• The POWER BUTTON on the main unit is off.</li></ul>
NO TV RECEPTION	<ul style="list-style-type: none"><li>• The antenna connector is not connected, or wires are broken.</li><li>• Cables are incorrectly connected to external equipment.</li><li>• The appropriate colour system is not selected.</li></ul>
NOISY PICTURE	<ul style="list-style-type: none"><li>• The TV is not fine-tuned correctly.</li><li>• The antenna is not adjusted correctly.</li><li>• Cables are incorrectly connected to external equipment.</li><li>• Possible station trouble.</li><li>• Possible local interference.</li></ul>
NO REMOTE CONTROL OPERATION	<ul style="list-style-type: none"><li>• The batteries need to be replaced.</li><li>• Polarities of the batteries are incorrect.</li><li>• Main power is not on.</li><li>• Something may interfere the path to remote sensor.</li></ul>
NORMAL PICTURE, NO SOUND	<ul style="list-style-type: none"><li>• Volume is set to min., press VOL. + button.</li><li>• Volume is set to mute, press MUTE button.</li><li>• Possible chassis problem.</li></ul>
NO PICTURE, NORMAL SOUND	<ul style="list-style-type: none"><li>• Brightness &amp; Contrast may be set to min..</li><li>• TV station problem.</li></ul>
NO COLOUR	<ul style="list-style-type: none"><li>• Select other colour systems by SYSTEM key.</li><li>• Colour may be set to min..</li><li>• Program may be in black and white.</li></ul>

## 8. SPECIFICATIONS

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### MAIN UNIT

#### 1. ATV Parts:

<b>TV Receiving System:</b>	PAL/BG
<b>AV Color System:</b>	PAL, NTSC 3.58 & 4.43
<b>Tuner:</b>	FS TUNER
<b>Number of Preset Program:</b>	100 (0-99)
<b>Channel Indicator:</b>	On screen display
<b>FunctionAdjust Indicator:</b>	MENU display
<b>Language of OSD:</b>	English
<b>RF Aerial Input:</b>	75-ohm unbalanced
<b>Video Input/Output:</b>	75-ohm 1.0Vp-p, RCA
<b>Audio Input:</b>	10k ohm 0.5 Vrms, high impedance
<b>Audio Output:</b>	1k ohm 0.5 Vrms
<b>Audio Output Power:</b>	≥ 6W+6W

#### 2. DTV Parts:

##### Tuner and Channel

<b>Connector :</b>	1 Phono type(7/8M)Input
<b>Frequency Range:</b>	51 to 858MHz
<b>Input Impedance :</b>	75-ohm unbalanced
<b>Digital Signal InputLevel:</b>	-20dBmV to 75dBmV
<b>Demodulation :</b>	COFDM
<b>Constellation :</b>	QPSK, 16-QAM, 64-QAM
<b>Tuner Bandwidth :</b>	7 MHz/8MHz
<b>FFT mode:</b>	2K/8K
<b>Guard Interval:</b>	1/4, 1/8, 1/16, 1/32, off
<b>FEC Code Rate:</b>	1/2, 2/3, 3/4, 5/6 and 7/8

##### MPEG TransportStream A/VDecoding:

<b>Transport Stream:</b>	MPEG-2 ISO/IEC 13818, Transport stream specification
<b>Profile Level :</b>	MPEG-2 MP@ML
<b>Input Rate:</b>	Max. 27.71Mbit/s
<b>Aspect Ratio:</b>	4:3, 16:9
<b>Video Resolution:</b>	SD 576i
<b>Audio Decoding:</b>	MPEG layerI and II, Musicam
<b>Audio Mode :</b>	Stereo Channel, Dual Mono, Joint Stereo Channel, Mono
<b>Sampling Rate:</b>	32, 44.1 and 48KHz
<b>Digital Audio:</b>	SPDIF

##### Digital system hardwaresection:

<b>CPU :</b>	PNx831X
<b>SDRAM Memory:</b>	16Mbyte
<b>Flash memory:</b>	4Mbyte
<b>RS-232 Data Port</b>	9 pin D-sub Type, Baud rate 9600~115200Kbps.
<b>SPDIF Digital Audio Output:</b>	RCA
<b>Tuner:</b>	DVB-T

### 3. Other parts:

<b>Operating Voltage:</b>	240V~, 50Hz
<b>Power Consumption:</b>	110W
<b>Picture TUBE:</b>	32 " (76cm)
<b>Dimensions:</b>	865 X 550 X 578 MM (W X D X H)
<b>Net Weight:</b>	61 kg

### INFRA-RED REMOTE CONTROL:

<b>Features:</b>	Full Function Remote Control
<b>Effective Distance Power:</b>	8 meters
<b>Power Supply:</b>	DC 3V (two batteries, size AA)

### PACKING LIST:

1. TV set - one set
2. Remote Control Handset - one set
3. Operation Manual - one pc

Product is subjected to change without notice.



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SYDNEY, NSW	Unit 8, 20-22 Foundry Rd., Seven Hills, NSW 2147.	Phone : (02)8811 4000
BRISBANE, QLD	335 Montague Road, West End, QLD 4101.	Phone : (07)3010 0100
PERTH, WA	273 Great Eastern Highway, Belmont, WA 6104.	Phone : (08)9479 6522
ADELAIDE, SA	Cnr. Sir D. Bradman & Marion Roads, Cowandilla, SA 5033.	Phone : (08)8234 1044

E-mail	<b>info@teac.com.au</b>
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